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APPLICATION NO.	FIL	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,836	336 04/25/2001		Bruce L. Roberts	GA0229	5822
24536	7590	02/23/2005		EXAMINER	
GENZYMI		=	CHEN, STACY BROWN		
LEGAL DEPARTMENT 15 PLEASANT ST CONNECTOR				ART UNIT	PAPER NUMBER
	FRAMINGHAM, MA 01701-9322			1648	
			D. TE . / . II ED . 02/02/200	DATE MAILED, 02/22/2006	

DATE MAILED: 02/23/200

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)					
	09/841,836	ROBERTS ET AL.					
Office Action Summary	Examiner	Art Unit					
	Stacy B Chen	1648					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 06 De	ecember 2004.						
2a)⊠ This action is FINAL . 2b)☐ This	This action is FINAL . 2b) This action is non-final.						
•—	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.							
4a) Of the above claim(s) 7-20 is/are withdrawn	4a) Of the above claim(s) 7-20 is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-6</u> is/are rejected.							
7) Claim(s) is/are objected to.	1 4						
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r.						
10) The drawing(s) filed on is/are: a) □ acce	epted or b) objected to by the I	Examiner.					
Applicant may not request that any objection to the							
Replacement drawing sheet(s) including the correct							
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P10-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents	s have been received.						
2. Certified copies of the priority documents3. Copies of the certified copies of the prior							
application from the International Bureau		ou in the Hatierian etage					
* See the attached detailed Office action for a list	· ·	ed.					
		•					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da						
2 Datast and Trademod Office							

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DETAILED ACTION

1. Applicant's response and amendment filed December 6, 2004 is acknowledged and entered. Claims 1-20 are pending. Claims 1-6 are under examination. Claims 7-20 remain withdrawn from consideration being drawn to non-elected inventions. The only rejections in this application are the rejection of claims 1, 5 and 6 under 35 U.S.C. 102(e) as anticipated by Blaschuk *et al.* (US Patent 6,358,920), and the rejection of claims 2-4 under 35 U.S.C. 103(a) as obvious over Mounts *et al.* (WO 98/52615) in view of Blaschuk and Lisziewicz *et al.* (US Patent 6,420,176).

Claim Rejections - 35 USC § 102 and 103

2. Claims 1, 5 and 6 remain rejected under 35 U.S.C. 102(e) as anticipated by Blaschuk et al. (US Patent 6,358,920, herein, "Blaschuk"). Claims 2-4 remain rejected under 35 U.S.C. 103(a) as obvious over Mounts et al. (WO 98/52615) in view of Blaschuk and Lisziewicz et al. (US Patent 6,420,176). The claims have not been amended and remain drawn to the same subject matter as addressed in the previous Office action. Applicant's arguments have been carefully considered but fail to persuade. The arguments presented for the 102 and 103 rejections are the same and will be addressed together.

Applicant argues that a close reading of the Blaschuk patent (6,358,920) does not teach that adenoviral vectors may be targeted for delivery using microspheres/beads. Applicant asserts that Blaschuk teaches away from the instant invention by teaching two independent modes of delivery of the polynucleotides: viral vectors and microsphere/beads, but not in combination.

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Applicant argues that in view of the deficiencies of Blaschuk, the rejection under 35 U.S.C. 102(d) and 103(a) should be withdrawn.

In response, the Office has considered Applicant's arguments regarding the teachings of col. 68, lines 10-37. Blaschuk teaches that polynucleotides may function as modulating agents (col. 68, lines 10-11). Also taught is that modulating agents may be linked to a support molecule or a solid support (col. 15, lines 5-7). Polynucleotides incorporated into vectors would still be considered modulating agents, and whatever uses described for the modulating agent as a polynucleotide would convey to the modulating agent as a vector. One would recognize from Blaschuk's teachings that the polynucleotides or vectors containing them may be linked to a support molecule or solid support, such as a bead or other support listed in col. 68. Therefore, Blaschuk contemplates vectors comprising the subject polynucleotides attached to a support molecule.

Conclusion

No claim is allowed. THIS ACTION IS MADE FINAL. Applicant is reminded of the 3. extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Information regarding the status of an application may be obtained from the Patent

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applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Stacy B. Chen whose telephone number is 571-272-0896. The

examiner can normally be reached on M-F (7:00-4:30). If attempts to reach the examiner by

telephone are unsuccessful, the examiner's supervisor, James C. Housel can be reached on 571-

272-0902. The fax phone number for the organization where this application or proceeding is

assigned is 703-872-9306.

JAMES HOUSEL

SUPERVISORY PAVENT EXAMINER

TECHNOLOGY CENTER 1600

Stacy B. Chen February 17, 2005